Rogers Corporation
High Performance Elastomer Division
Bisco Materials Unit

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MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME:	HT-800 Series
CHEMICAL NAME:	NA
CHEMICAL FAMILY:	Polydimethylsiloxane Polymer
HMIS RATING:	H 0 F 1 R 0
CAS NUMBER: (All components are TSCA listed.)	NA
EMERGENCY PHONE:	860-774-9605
CHEMTREC:	800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	OSHA PEL	ACGIH TLV
Alumina Hydrate	21645-51-2	<10	5 mg/m^3 (Resp. dust)	3 mg/m^3 (Resp. dust)
Carbon Black	1333-86-4	<1	3.5 mg/m^3	3.5 mg/m^3
Silica, Tripoli (Encapsulated)	14808-60-7	<40	10 mg/m^3 % SiO_2 + 2 (respirable)	0.1 mg/m^3 (respirable)
Iron Oxide	1332-37-2	<3	10 mg/m^3 (fume)	5 mg/m^3

The remaining ingredients are not hazardous as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE:	None are expected with normal handling. Materials listed in Section 2 are encapsulated or compounded making release unlikely. Cutting and other finishing operations may create dust. Ventilation and personal protective equipment should be similar to operations generating nuisance dust.
INHALATION:	Dusts may cause respiratory irritation.
EYE CONTACT:	Dusts may cause irritation.
SKIN CONTACT:	Dusts may cause irritation.
INGESTION:	None known.
CHRONIC:	The IARC has listed carbon black as a Class 2B possible human carcinogen based on animal studies.

4. FIRST-AID MEASURES

INHALATION:	Remove to fresh air. Seek medical attention if condition merits.
EYE CONTACT:	Flush eyes and eyelids thoroughly with water and seek medical attention if irritation persists.
SKIN CONTACT:	Wash contacted areas thoroughly with soap and water.
INGESTION:	Not a likely route of exposure. If large amounts of processing dusts are ingested resulting in gastrointestinal discomfort, seek medical attention.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA
METHOD USED:	NA
AUTOIGNITION TEMPERATURE:	NA

EXTINGUISHING MEDIA:

X	Water Fog	X	Foam	X	CO_2
X	Dry Chemical		Other		

SPECIAL FIRE FIGHTING PROCEDURES:	Decomposition in a fire may produce toxic fumes and siliceous char. Firefighters should be equipped with self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	NA
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide, fluorine compounds, formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	None needed.
ENVIRONMENTAL PRECAUTIONS:	None needed.
CLEANING METHODS:	Normal clean-up.

7. HANDLING AND STORAGE

HANDLING:	No special requirements. Avoid processing conditions that release small particles of materials (10 micrometers or less).
STORAGE:	Cool dry area.

8. ENGINEERING CONTROLS/PERSONAL PROTECTION

VENTILATION

LOCAL:	Recommended in heating, finishing, hot wire, and laser cutting operations.
GENERAL:	Recommended as with all industrial operations.

PERSONAL PROTECTION

HAND:	None required.
EYE:	Safety glasses are recommended with all industrial operations.
SKIN:	None required.
OTHER:	NA

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Cellular silicone material
ODOR:	Slight characteristic
PHYSICAL STATE:	Solid
BOILING POINT:	NA
MELTING POINT:	NE
FREEZING POINT:	NE
WATER SOLUBILITY:	None
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	0.24 – 0.55
PARTITION COEFFICIENT:	NA
EXPLOSIVE PROPERTIES:	NA
EVAPORATION RATE:	NA
DENSITY:	0.24 – 0.55 g/cc
VISCOSITY:	NA
IGNITION:	NA
pH:	NA

10. STABILITY AND REACTIVITY

STABLE X UNSTABLE ____

CONDITIONS TO AVOID:	None known.
MATERIALS TO AVOID:	None known.
HAZARDOUS DECOMPOSTION PRODUCTS:	See Section 5.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: Tripoli is listed by NTP as “reasonably anticipated to be a carcinogen”. However the tripoli in this material is encapsulated eliminating this hazard during normal processing.

The IARC has listed carbon black as a Class 2B possible human carcinogen based on animal studies.

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATION

ENVIRONMENTAL TOXICITY DATA:	NA
WASTE DISPOSAL METHOD:	In accordance with all local, state, and federal regulations (landfill).
CONTAINER DISPOSAL:	In accordance with all local, state, and federal regulations (landfill).

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:	NA
DOT HAZARD CLASSIFICATION:	NA
PACKING GROUP:	NA
UN/NA CODE:	NA

15. REGULATORY INFORMATION

TSCA *(Toxic Substances Control Act):*	All ingredients are TSCA listed.
CERCLA *(Comprehensive Emergency Response, Compensation, and Liability Act):*	NA
SARA TITLE III *(Superfund Amendments and Reauthorization Act):*	NA
311/312 HAZARD CATEGORIES:	None

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS #	**CHEMICAL NAME**	**PERCENT BY WEIGHT**
NA	NA	NA

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established

FILE: HT-800Series.doc

DATE PREPARED: 2/13/02

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REVIEWED BY: Robert F. Lee